



#3

## SEQUENCE LISTING

&lt;110&gt; Urry, De

&lt;120&gt; Injectable Implants For Tissue Augmentation and Restoration

&lt;130&gt; BERL-020/04US

&lt;140&gt; 09/841,321

&lt;141&gt; 2001-04-23

&lt;150&gt; US 09/258,723

&lt;151&gt; 1999-02-26

&lt;150&gt; US 60/087155

&lt;151&gt; 1998-05-29

&lt;150&gt; US 60/076297

&lt;151&gt; 1998-02-27

&lt;160&gt; 65

&lt;170&gt; PatentIn version 3.0

&lt;210&gt; 1

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(180)

&lt;223&gt; Synthetic

&lt;400&gt; 1

gaggatccga agacaacagg tggtgttccg ggcggcgtac cgggtggcgt accggggcggt 60

ttccccggag gtgtgccggg tggggttcca ggcggtgtac cgggtggggtt tccggggcggt 120

gttccgggtg gagttccggg tggcgtgccg ggcggtttc caggaagtct tcggatccag 180

&lt;210&gt; 2

&lt;211&gt; 113

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(113)

&lt;223&gt; Synthetic

&lt;400&gt; 2

gaggatccag gcgttgggt accgggtgtt ggcgtaccgg gtaaaggtgt cccggggcggt 60

ggtgtgccgg gttaggctt tccgggtttc ggattcccaag gcgttggatc cag 113

&lt;210&gt; 3

<211> 33  
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<210> 4  
<211> 33  
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<220>  
<221> misc\_feature  
<222> (1)..(33)  
<223> Synthetic

<400> 4  
cgcacccccca tggcccagca ccactgagag gcc 33

<210> 5  
<211> 111  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(111)  
<223> Synthetic

<400> 5  
gaggatccag gcgttgggtt accgggtgtt ggcttaccgg gtgttgggtt cccgggcaaa 60  
ggtgtgccgg gtgttaggcgt tccgggtgtt ggagtcccaag gcgttggatc c 111

<210> 6  
<211> 345  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(345)  
<223> Synthetic

<400> 6  
ggcggttgggtt taccgggtgtt tggtgtgccgg ggtgttgggtt ttccgggcgtt aggcgttaccgg 60  
ggcgttaggcgt tgccgggcgtt aggcgttccgg ggcgtgggcgtt taccgggcgtt gggcgtgccgg 120

ggtgtggcg tcccggtgt aggtttcca ggcgtagggg taccgggtcg tggtgactct 180  
ccgggcgttg gtgtaccggg tgggtgtg cgggtgttgcgttccggg cgtaggcgta 240  
ccggcgttag gcgtgccggg cgtaggcgtt ccggcgtgg gcgtaccggg cgtggcgtg 300  
ccgggtgtgg gcgtcccggg tgtaggtgtt ccaggcggttgcgttccggg 345

<210> 7  
<211> 463  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(463)  
<223> Synthetic

<400> 7  
ggatccaggc gttgggtgtac cgggtgttgg tggccgggt gttgggtgttc cgggcgttagg 60  
cgtaccgggc gttaggcgtgc cgggcgttagg cttccgggc gtggcgtac cgggcgtggg 120  
cgtgccgggt gtgggcgtcc caggtgttagg cttccgggt gtgggtgttag ctccgggtgt 180  
tggcggttgc cccggcgttag gttttgtcc gggcggttggc gtggcgccgg gtgttgggt 240  
tgctccgggt gttaggcgttg ctccggcgttggcc ccaggtgttag gtgtggcacc 300  
gggcgttgggt gtaccgggtg ttgggtgtcc ggggtgttgggt gttccggcgttcc 360  
gggcgttaggc gtgccggcgttcc gggcggtggc gtaccggcgttcc 420  
gggtgtggc gtcccggttg taggtgttcc aggcgttggatcc 463

<210> 8  
<211> 111  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(111)  
<223> Synthetic

<400> 8  
gaggatccag gcgttgggtt accgggtgtt ggcgtaccgg gtgaagggtgt cccggcgtt 60  
ggtgtgccgg gttaggcgttcc cccgggtgtgggttggatcc 111

<210> 9  
<211> 48  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(48)  
<223> Synthetic

<400> 9

Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro  
1 5 10 15

Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro  
20 25 30

Gly Gly Val Pro Gly Gly Val Pro Gly Gly Val Pro Gly Gly Phe Pro  
35 40 45

<210> 10  
<211> 30  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(30)  
<223> Synthetic

<400> 10

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro  
20 25 30

<210> 11  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(11)  
<223> Synthetic

<400> 11

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly  
1 5 10

<210> 12  
<211> 30  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(30)  
<223> Synthetic

<400> 12

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
20 25 30

<210> 13

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(111)

<223> Synthetic

<400> 13

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly  
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
100 105 110

<210> 14

<211> 148

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(148)

<223> Synthetic

<400> 14

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val

20

25

30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val  
50 55 60

Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro  
65 70 75 80

Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val  
85 90 95

Ala Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
100 105 110

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
115 120 125

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
130 135 140

Val Gly Val Pro  
145

<210> 15  
<211> 30  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<221> PEPTIDE  
<222> (1)..(30)  
<223> Synthetic

<400> 15

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
20 25 30

<210> 16  
<211> 4  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<221> PEPTIDE  
<222> (1)..(4)  
<223> Synthetic

<400> 16

Val Pro Gly Gly  
1

<210> 17  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(5)  
<223> Synthetic

<400> 17

Val Pro Gly Val Gly  
1 5

<210> 18  
<211> 1255  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(1255)  
<223> Synthetic

<400> 18

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
115 120 125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
130 135 140

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
145 150 155 160

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
165 170 175

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
180 185 190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
195 200 205

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
210 215 220

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
245 250 255

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
275 280 285

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
290 295 300

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
305 310 315 320

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
325 330 335

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
340 345 350

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
355 360 365

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
370 375 380

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
385 390 395 400

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
405 410 415

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
420 425 430

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
435 440 445

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
450 455 460

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
485 490 495

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
595 600 605

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
610 615 620

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
625 630 635 640

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
645 650 655

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
660 665 670

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
675 680 685

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
690 695 700

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
705 710 715 720

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
725 730 735

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
740 745 750

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
755 760 765

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
770 775 780

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
785 790 795 800

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
805 810 815

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val

820

825

830

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
835 840 845

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
850 855 860

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
865 870 875 880

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
885 890 895

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
900 905 910

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
915 920 925

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
930 935 940

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
945 950 955 960

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
965 970 975

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
980 985 990

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
995 1000 1005

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1010 1015 1020

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1025 1030 1035

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1040 1045 1050

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1055 1060 1065

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1070 1075 1080

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1085 1090 1095

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1100 1105 1110

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1115 1120 1125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1130 1135 1140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1145 1150 1155

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1160 1165 1170

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1175 1180 1185

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1190 1195 1200

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1205 1210 1215

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1220 1225 1230

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1235 1240 1245

Val Pro Gly Val Gly Val Pro  
1250 1255

<210> 19

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<221> VARIANT

<222> (4)..(4)

<223> the amino acid residue at position 4 is any  
amino acid that is modified to have an  
electroresponsive side chain

<220>

<221> PEPTIDE

<222> (1)..(5)

<223> Synthetic

<400> 19

Val Pro Gly Xaa Gly  
1 5

<210> 20

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(5)

<223> Synthetic

<400> 20

Gly Val Gly Val Pro  
1 5

<210> 21  
<211> 166  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(166)  
<223> Synthetic

<400> 21

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
1 5 10 15

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
20 25 30

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
35 40 45

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
50 55 60

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
65 70 75 80

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
85 90 95

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
100 105 110

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
115 120 125

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
130 135 140

Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Ala Pro  
145 150 155 160

Gly Arg Gly Asp Ser Pro  
165

<210> 22  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(25)  
<223> Synthetic

<400> 22

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Glu Gly Val Pro  
20 25

<210> 23

<211> 100

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(100)

<223> Synthetic

<400> 23

Gly Ala Gly Gly Ala Thr Cys Cys Gly Ala Ala Gly Ala Cys Ala Ala  
1 5 10 15

Cys Ala Gly Gly Thr Gly Gly Thr Gly Thr Cys Cys Gly Gly  
20 25 30

Cys Gly Gly Cys Gly Thr Ala Cys Cys Gly Gly Gly Thr Gly Gly Cys  
35 40 45

Gly Thr Ala Cys Cys Gly Gly Cys Gly Gly Thr Thr Thr Cys Cys  
50 55 60

Cys Gly Gly Gly Ala Gly Gly Thr Gly Thr Gly Cys Cys Gly Gly  
65 70 75 80

Thr Gly Gly Gly Thr Thr Cys Cys Ala Gly Gly Cys Gly Thr  
85 90 95

Gly Thr Ala Cys  
100

<210> 24

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<222> (1)..(100)

<223> Synthetic

<400> 24

ctggatccga agacttcctg gaaaaccgcc cggcacgcca cccggaactc cacccggaac 60

accgccccga aacccaccccg gtacaccgcc tggaaacccca 100

<210> 25

<211> 635

<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(635)  
<223> Synthetic

<400> 25

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val  
50 55 60

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro  
65 70 75 80

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly  
85 90 95

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val  
100 105 110

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly  
115 120 125

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe  
130 135 140

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
145 150 155 160

Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly  
165 170 175

Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys  
180 185 190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly  
195 200 205

Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val  
210 215 220

Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro  
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
245 250 255

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val  
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly  
275 280 285

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val  
290 295 300

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro  
305 310 315 320

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly  
325 330 335

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val  
340 345 350

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly  
355 360 365

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe  
370 375 380

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
385 390 395 400

Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly  
405 410 415

Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys  
420 425 430

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly  
435 440 445

Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val  
450 455 460

Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro  
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
485 490 495

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly  
515 520 525

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val  
530 535 540

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro  
545 550 555 560

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val  
580 585 590

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly  
595 600 605

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe  
610 615 620

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro  
625 630 635

<210> 26  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(66)  
<223> Synthetic

<400> 26  
gaggatccag gcgttgggtt accgggtgtt ggcgatccgg gttaaagggtgt cccggggtttg 60  
gtgtgc 66

<210> 27  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(66)  
<223> Synthetic

<400> 27  
ctggatccaa cgcttggaa tccgaaaccc gaaaggccta cacccggcac accaacgccc 60  
gggaca 66

<210> 28  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(6)  
<223> Synthetic

<400> 28

Gly Arg Gly Asp Ser Pro  
1 5

<210> 29  
<211> 50

<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(50)  
<223> Synthetic

<400> 29

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro  
50

<210> 30  
<211> 22  
<212> DNA  
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<220>  
<221> misc\_feature  
<222> (1)..(22)  
<223> Synthetic

<400> 30  
ctggatccag accatggcgt tt

22

<210> 31  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(36)  
<223> Synthetic

<400> 31  
ggcgtttgtt taccgtaagc ttgaattcgg atccag

36

<210> 32  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(22)

<223> Synthetic

<400> 32  
gacctaggc tggtacccgc aa

22

<210> 33  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(36)  
<223> Synthetic

<400> 33  
ccgcaaccac atggcattcg aacttaagcc taggtc

36

<210> 34  
<211> 2003  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(2003)  
<223> Synthetic

<400> 34

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly  
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
100 105 110

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
115 120 125

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
130 135 140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
145 150 155 160

Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val  
165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
210 215 220

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
260 265 270

Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro  
275 280 285

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
290 295 300

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
305 310 315 320

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
325 330 335

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
340 345 350

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
355 360 365

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
370 375 380

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly  
385 390 395 400

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
405 410 415

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
420 425 430

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
435 440 445

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
450 455 460

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
465 470 475 480

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
485 490 495

Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
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Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
595 600 605

Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly  
610 615 620

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
625 630 635 640

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
645 650 655

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
660 665 670

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
675 680 685

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
690 695 700

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
705 710 715 720

Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val  
725 730 735

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
740 745 750

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
755 760 765

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
770 775 780

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly

785                    790                    795                    800  
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
805                    810                    815  
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
820                    825                    830  
Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
835                    840                    845  
Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
850                    855                    860  
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
865                    870                    875                    880  
Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
885                    890                    895  
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
900                    905                    910  
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
915                    920                    925  
Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
930                    935                    940  
Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
945                    950                    955                    960  
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
965                    970                    975  
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980                    985                    990  
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
995                    1000                    1005  
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1010                    1015                    1020  
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1025                    1030                    1035  
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1040                    1045                    1050  
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1055                    1060                    1065  
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1070                    1075                    1080  
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1085                    1090                    1095  
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1100                    1105                    1110

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1115 1120 1125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1145 1150 1155

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val  
1160 1165 1170

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1175 1180 1185

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1190 1195 1200

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1205 1210 1215

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1235 1240 1245

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1250 1255 1260

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Arg  
1265 1270 1275

Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1280 1285 1290

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1295 1300 1305

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1310 1315 1320

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1325 1330 1335

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1340 1345 1350

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1355 1360 1365

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1370 1375 1380

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro  
1385 1390 1395

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
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Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
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1460 1465 1470

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
1475 1480 1485

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser  
1490 1495 1500

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1505 1510 1515

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1520 1525 1530

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1535 1540 1545

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1550 1555 1560

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1565 1570 1575

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1580 1585 1590

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
1595 1600 1605

Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly  
1610 1615 1620

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1625 1630 1635

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1640 1645 1650

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1655 1660 1665

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1670 1675 1680

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1685 1690 1695

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1700 1705 1710

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val

1715

1720

1725

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1730 1735 1740

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1745 1750 1755

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1760 1765 1770

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1775 1780 1785

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1790 1795 1800

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
1805 1810 1815

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Arg  
1820 1825 1830

Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1835 1840 1845

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1850 1855 1860

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1865 1870 1875

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1880 1885 1890

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1895 1900 1905

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1910 1915 1920

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1925 1930 1935

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro  
1940 1945 1950

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
1955 1960 1965

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
1970 1975 1980

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
1985 1990 1995

Gly Val Gly Val Pro  
2000

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<211> 1085

<212> PRT  
<213> Artificial Sequence

<220>  
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<222> (1) .. (1085)  
<223> Synthetic

<400> 35

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Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
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Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro  
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val  
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
115 120 125

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val  
130 135 140

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
145 150 155 160

Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly  
165 170 175

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
180 185 190

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
195 200 205

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
210 215 220

Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
245 250 255

Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly  
275 280 285

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
290 295 300

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro  
305 310 315 320

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
325 330 335

Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val  
340 345 350

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
355 360 365

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val  
370 375 380

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
385 390 395 400

Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly  
405 410 415

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
420 425 430

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
435 440 445

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
450 455 460

Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
485 490 495

Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly  
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro  
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val  
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
595 600 605

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val  
610 615 620

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
625 630 635 640

Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly  
645 650 655

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
660 665 670

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
675 680 685

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
690 695 700

Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
705 710 715 720

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
725 730 735

Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
740 745 750

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly  
755 760 765

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
770 775 780

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro  
785 790 795 800

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
805 810 815

Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val  
820 825 830

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
835 840 845

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val  
850 855 860

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
865 870 875 880

Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly  
885 890 895

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
900 905 910

Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly

915

920

925

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
930 935 940

Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
945 950 955 960

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
965 970 975

Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
980 985 990

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly  
995 1000 1005

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1010 1015 1020

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly  
1025 1030 1035

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1040 1045 1050

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly  
1055 1060 1065

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Val Pro  
1085

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<211> 635

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(635)

<223> Synthetic

<400> 36

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Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val  
50 55 60

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro

65                   70                   75                   80

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly  
85                   90                   95

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val  
100               105               110

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly  
115               120               125

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe  
130               135               140

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
145               150               155               160

Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly  
165               170               175

Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys  
180               185               190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly  
195               200               205

Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val  
210               215               220

Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro  
225               230               235               240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
245               250               255

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val  
260               265               270

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly  
275               280               285

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val  
290               295               300

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro  
305               310               315               320

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly  
325               330               335

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val  
340               345               350

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly  
355               360               365

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe  
370               375               380

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
385               390               395               400

Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly  
405 410 415

Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys  
420 425 430

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly  
435 440 445

Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val  
450 455 460

Pro Gly Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro  
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
485 490 495

Val Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly  
515 520 525

Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val  
530 535 540

Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro  
545 550 555 560

Gly Val Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val  
580 585 590

Gly Phe Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly  
595 600 605

Val Pro Gly Lys Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Phe  
610 615 620

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro  
625 630 635

<210> 37

<211> 782

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)...(782)

<223> Synthetic

<400> 37

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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly  
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
100 105 110

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
115 120 125

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
130 135 140

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
145 150 155 160

Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val  
165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
210 215 220

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
260 265 270

Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro  
275 280 285

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
290 295 300

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
305 310 315 320

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
325 330 335

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
340 345 350

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
355 360 365

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
370 375 380

Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly  
385 390 395 400

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
405 410 415

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
420 425 430

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
435 440 445

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
450 455 460

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
465 470 475 480

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
485 490 495

Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
595 600 605

Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly  
610 615 620

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
625 630 635 640

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
645 650 655

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly

660

665

670

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
675 680 685

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
690 695 700

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
705 710 715 720

Pro Gly Arg Gly Asp Ser Pro Gly Val Gly Val Pro Gly Val Gly Val  
725 730 735

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
740 745 750

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
755 760 765

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
770 775 780

<210> 38

<211> 745

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(745)

<223> Synthetic

<400> 38

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val  
50 55 60

Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro  
65 70 75 80

Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val  
85 90 95

Ala Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
100 105 110

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
115 120 125

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly

130

135

140

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
145 150 155 160

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
165 170 175

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
180 185 190

Pro Gly Val Gly Val Pro Gly Val Gly Val Ala Pro Gly Val Gly Val  
195 200 205

Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val  
210 215 220

Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro  
225 230 235 240

Gly Val Gly Val Ala Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
245 250 255

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
260 265 270

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
275 280 285

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
290 295 300

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
305 310 315 320

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
325 330 335

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Ala Pro  
340 345 350

Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val  
355 360 365

Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val  
370 375 380

Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Pro Gly  
385 390 395 400

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
405 410 415

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
420 425 430

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
435 440 445

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
450 455 460

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
465 470 475 480

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
485 490 495

Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro  
500 505 510

Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val  
515 520 525

Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val  
530 535 540

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
545 550 555 560

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
565 570 575

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
580 585 590

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
595 600 605

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
610 615 620

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
625 630 635 640

Val Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val  
645 650 655

Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro  
660 665 670

Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val  
675 680 685

Ala Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
690 695 700

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
705 710 715 720

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
725 730 735

Val Gly Val Pro Gly Val Gly Val Pro  
740 745

<210> 39  
<211> 1085  
<212> PRT  
<213> Artificial Sequence

<220>

<221> PEPTIDE  
<222> (1)..(1085)  
<223> Synthetic

<400> 39

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro  
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val  
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
115 120 125

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val  
130 135 140

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
145 150 155 160

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly  
165 170 175

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
180 185 190

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
195 200 205

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
210 215 220

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
245 250 255

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly  
275 280 285

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
290 295 300

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro  
305 310 315 320

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
325 330 335

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val  
340 345 350

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
355 360 365

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val  
370 375 380

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
385 390 395 400

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly  
405 410 415

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
420 425 430

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
435 440 445

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
450 455 460

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
485 490 495

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly  
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro  
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val  
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
595 600 605

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val

610

615

620

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
625 630 635 640

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly  
645 650 655

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
660 665 670

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
675 680 685

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
690 695 700

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
705 710 715 720

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
725 730 735

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
740 745 750

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly  
755 760 765

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
770 775 780

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro  
785 790 795 800

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
805 810 815

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val  
820 825 830

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
835 840 845

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val  
850 855 860

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
865 870 875 880

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly  
885 890 895

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
900 905 910

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
915 920 925

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
930 935 940

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
945 950 955 960

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
965 970 975

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
980 985 990

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly  
995 1000 1005

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1010 1015 1020

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly  
1025 1030 1035

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1040 1045 1050

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly  
1055 1060 1065

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
1070 1075 1080

Val Pro  
1085

<210> 40  
<211> 605  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(605)  
<223> Synthetic

<400> 40

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
85 90 95

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
100 105 110

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
115 120 125

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
130 135 140

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
145 150 155 160

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
165 170 175

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
180 185 190

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
195 200 205

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
210 215 220

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
225 230 235 240

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
245 250 255

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
260 265 270

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
275 280 285

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
290 295 300

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
305 310 315 320

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
325 330 335

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
340 345 350

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
355 360 365

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
370 375 380

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
385 390 395 400

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
405 410 415

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
420 425 430

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
435 440 445

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
450 455 460

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
465 470 475 480

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
485 490 495

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
500 505 510

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
515 520 525

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
530 535 540

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
545 550 555 560

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
565 570 575

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
580 585 590

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
595 600 605

<210> 41

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(4)

<223> Synthetic

<400> 41

Gly Gly Val Pro  
1

<210> 42

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(4)

<223> Synthetic

<400> 42

Gly Gly Phe Pro  
1

<210> 43  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(5)  
<223> Synthetic

<400> 43

Gly Lys Gly Val Pro  
1 5

<210> 44  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(5)  
<223> Synthetic

<400> 44

Gly Val Gly Phe Pro  
1 5

<210> 45  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(5)  
<223> Synthetic

<400> 45

Gly Phe Gly Phe Pro  
1 5

<210> 46  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>

<221> PEPTIDE  
<222> (1) .. (6)  
<223> Synthetic

<400> 46

Gly Arg Gly Asp Ser Pro  
1 5

<210> 47  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1) .. (6)  
<223> Synthetic

<400> 47

Gly Val Gly Val Ala Pro  
1 5

<210> 48  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1) .. (5)  
<223> Synthetic

<400> 48

Gly Glu Gly Val Pro  
1 5

<210> 49  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1) .. (5)  
<223> Synthetic

<400> 49

Gly Phe Gly Val Pro  
1 5

<210> 50  
<211> 4  
<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(4)

<223> Synthetic

<400> 50

Gly Gly Ala Pro

1

<210> 51

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(5)

<223> Synthetic

<400> 51

Gly Val Gly Ile Pro

1 5

<210> 52

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(6)

<223> Synthetic

<400> 52

Val Gly Val Ala Pro Gly

1 5

<210> 53

<211> 106

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(106)

<223> Synthetic

<400> 53

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly

1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly  
35 40 45

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
50 55 60

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
65 70 75 80

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly  
85 90 95

Val Gly Val Pro Gly Arg Gly Asp Ser Pro  
100 105

<210> 54

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(25)

<223> Synthetic

<400> 54

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly  
1 5 10 15

Val Gly Phe Pro Gly Phe Gly Phe Pro  
20 25

<210> 55

<211> 1300

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(1300)

<223> Synthetic

<400> 55

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
35 40 45

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
50 55 60

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
65 70 75 80

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
85 90 95

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
100 105 110

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
115 120 125

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
130 135 140

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
145 150 155 160

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
165 170 175

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
180 185 190

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
195 200 205

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
210 215 220

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
225 230 235 240

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
245 250 255

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
260 265 270

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
275 280 285

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
290 295 300

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
305 310 315 320

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
325 330 335

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
340 345 350

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
355 360 365

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
370 375 380

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
385 390 395 400

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
405 410 415

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
420 425 430

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
435 440 445

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
450 455 460

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
465 470 475 480

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
485 490 495

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
500 505 510

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
515 520 525

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
530 535 540

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
545 550 555 560

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
565 570 575

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
580 585 590

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
595 600 605

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
610 615 620

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
625 630 635 640

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
645 650 655

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
660 665 670

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
675 680 685

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
690 695 700

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro

705                    710                    715                    720

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
725                    730                    735

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
740                    745                    750

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
755                    760                    765

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
770                    775                    780

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
785                    790                    795                    800

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
805                    810                    815

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
820                    825                    830

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
835                    840                    845

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
850                    855                    860

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
865                    870                    875                    880

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
885                    890                    895

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
900                    905                    910

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
915                    920                    925

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
930                    935                    940

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
945                    950                    955                    960

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
965                    970                    975

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
980                    985                    990

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
995                    1000                    1005

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1010                    1015                    1020

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1025                    1030                    1035

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1040 1045 1050

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1055 1060 1065

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1070 1075 1080

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1085 1090 1095

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1100 1105 1110

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1115 1120 1125

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1130 1135 1140

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1145 1150 1155

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1160 1165 1170

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1175 1180 1185

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1190 1195 1200

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1205 1210 1215

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1220 1225 1230

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1235 1240 1245

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1250 1255 1260

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1265 1270 1275

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
1280 1285 1290

Ile Pro Gly Val Gly Ile Pro  
1295 1300

<210> 56

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE  
<222> (1)..(50)  
<223> Synthetic

<400> 56

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
35 40 45

Ile Pro  
50

<210> 57  
<211> 111  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(111)  
<223> Synthetic

<400> 57

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly  
50 55 60

Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile  
65 70 75 80

Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
85 90 95

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro  
100 105 110

<210> 58  
<211> 111  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(111)

<223> Synthetic

<400> 58

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly  
50 55 60

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val  
65 70 75 80

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
85 90 95

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
100 105 110

<210> 59

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(45)

<223> Synthetic

<400> 59

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro Gly  
1 5 10 15

Val Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro Gly Val  
20 25 30

Gly Val Pro Gly Val Gly Val Pro Gly Phe Gly Val Pro  
35 40 45

<210> 60

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(111)

<223> Synthetic

<400> 60

Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly  
1 5 10 15

Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val  
20 25 30

Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly Ile Pro Gly Val Gly  
35 40 45

Ile Pro Gly Val Gly Val Pro Gly Arg Gly Asp Ser Pro Gly Val Gly  
50 55 60

Val Pro Gly Val Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Phe  
65 70 75 80

Pro Gly Phe Gly Phe Pro Gly Val Gly Val Pro Gly Val Gly Val Pro  
85 90 95

Gly Lys Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly Phe Pro  
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Val Gly Val Pro Gly Lys Gly Val Pro  
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Val Gly Phe Pro Gly Phe Gly Pro Gly Val Gly Val Pro Gly Val  
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Gly Val Pro Gly Lys Gly Val Pro Gly Val Gly Phe Pro Gly Phe Gly  
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Phe Pro  
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<400> 65

Phe Gly Phe Pro Gly Val Gly Val Pro Gly  
1 5 10